

ABSTRACT OF THE DISCLOSURE

A biodegradable substrate usable as a prosthetic material (i.e., for tissue regeneration) facilitates the invasion of cells into a substrate and has a thick structure similar to woven fabrics. The biodegradable substrate is obtained by stitching a biodegradable nonwoven fabric with a biodegradable thread. An embodiment of the nonwoven fabric used is a material wherein first and second layers, each having filaments of a thread made of collagen located in parallel, are laminated and adhered to each other so that the alignment direction of the filaments of the thread in the first and second layer are arranged at a certain angle. This nonwoven fabric is stitched with a thread made of collagen. In another embodiment a filmy material having been treated with a biodegradable binder such as collagen or gelatin is piled on the nonwoven fabric and stitched.